



## Contents

### Volume 73 (1994)

Changes in nuclear macromolecules and nucleolar volume associated with selective ribosomal cistron activation by ethylene.....	1
P.K. Bhattacharya, C.S. Karagiannis, A.J. Pappelis (Gary, IN; Carbondale, IL)	
Expression of neurofilament proteins in the rat cerebellar cortex as a function of age: an immunohistochemical study.....	9
J.A. Vega, M. Del Valle, F. Amenta (Oviedo, Spain; Camerino, Italy)	
Age-related events in active T lymphocyte subpopulation. A morphological study .....	17
R. Rana, R. Di Pietro, L. Centurione, M. Vitale, L. Zamai, A. Sciscio, G. Mazzotti (Chieti, Brescia and Bologna, Italy)	
Intracellular Cu/Zn superoxide dismutase levels in T and non-T cells from normal aged subjects.....	27
B. Grigolo, R.M. Borzì, E. Mariani, M.C.G. Monaco, L. Cattini, T. Porstmann, A. Facchini (Bologna, Italy; Berlin, Germany)	
Age related changes in the activity of the glyoxalase system.....	39
R. Sharma-Luthra, R.K. Kale (New Delhi, India)	
Age- and feeding-dependent production of carbonyl compounds in hypoxic heart. The role of carbonyls produced in connective tissue modification	47
Z. Deyl, I. Mikšík (Prague, Czech Republic)	
Cell aging of human diploid fibroblasts is associated with changes in responsiveness to epidermal growth factor and changes in HER-2 expression	57
Z. Tang, Z. Zhang, Y. Zheng, M.J. Corbley, T. Tong (Beijing, China; Boston, MA)	
Plasma lipids and cholesterol esterification in Alzheimer's disease.....	69
J. Knebl, P. DeFazio, M.B. Clearfield, L. Little, W.J. McConathy, R. McPherson, A.G. Lacko (Fort Worth, TX; Ottawa, Canada)	
Lipofuscin-induced autofluorescence of living neonatal rat cardiomyocytes in culture.....	79
G. Gao, U. Johansson, I. Rundquist, K. Öllinger (Linköping, Sweden)	

Immunohistochemical and radioimmunological study of pituitary gonadotrophs during aging in male rats G.M. Cónsole, C.L.A. Gómez Dumm, R.G. Goya (La Plata, Argentina)	87
Contractile properties of aged avian muscle after stretch-overload S.E. Alway (Columbus, OH)	97
Influence of long-term treatment with L-deprenyl on the age-dependent changes in rat brain microanatomy Y.-C. Zeng, S. Bongrani, E. Bronzetti, S. Cadel, A. Ricci, B. Valsecchi, F. Amenta (Camerino, Parma and Rome, Italy)	113
Age-related decreases in the reconstituting ability of hemopoietic cells and the ability of hemopoietic microenvironment to support hemopoietic reconstitution in senescence accelerated (SAM-P) mice A. Sakuma, I. Tsuboi, K. Morimoto, T. Horie, K. Sugimoto, K.J. Mori (Tokyo and Niigata, Japan)	127
Effect of ageing on erythrocyte aldose reductase and sorbitol dehydrogenase activity M. Funasako, K. Fujimoto, M. Taniji, T. Suruda, S. Nakai, H. Kobayashi, Y. Sakagami, M. Ohata (Wakayama Prefecture, Japan)	137
Differences between young and aged mice in susceptibility to Friend virus D.R. Stewart, D.A. Kirschmann, K.J. Blank, D.M. Murasko (Philadelphia, PA)	145
Hepatic Kupffer cell function: the efficiency of uptake and intracellular degradation of $^{14}\text{C}$ -labelled mitochondria is reduced in aged rats G. Martin, R.B. Sewell, N.D. Yeomans, D.J. Morgan, R.A. Smallwood (Victoria, Australia)	157
Developmental interactions of CD4 T cells and thymocytes: age-related differential effects M. Fridkis-Hareli, R. Mehr, L. Abel, A. Globerson (Rehovot, Israel)	169
In vitro biosynthesis of type I and III collagens by human dermal fibroblasts from donors of increasing age M. Dumas, C. Chaudagne, F. Bonté, A. Meybeck (Colombes, France)	179
PDGF-BB induced chemotaxis is impaired in aged capillary endothelial cells G.D. Phillips, A.M. Stone (Minneapolis, MN)	189
Developmental changes in the peroxidation potential of rat brain homogenate and mitochondria C.K. Pushpendran, M. Subramanian, T.P.A. Devasagayam (Bombay, India)	197
Serum glucose, glucose tolerance, corticosterone and free fatty acids during aging in energy restricted mice S.B. Harris, M.W. Gunion, M.J. Rosenthal, R.L. Walford (Los Angeles and Sepulveda, CA)	209

**Might stochasticity and sampling variation be a possible explanation for  
variation in clonal population survival curves**

**M. Witten (Austin, TX) ..... 223**

**Author Index Volume 73 ..... 249**

**Subject Index Volume 73 ..... 251**

**Contents Volume 73 ..... 255**

